

**PATENT ABSTRACTS OF JAPAN**(11)Publication number : **04-371903**(43)Date of publication of application : **24.12.1992**

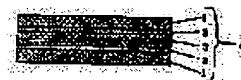
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**G02B 5/30****G02F 1/1335**(21)Application number : **03-174616**(71)Applicant : **NITTO DENKO CORP**(22)Date of filing : **19.06.1991**(72)Inventor : **UMEMOTO SEIJI  
YAMAMOTO SUGURU  
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FUJIMURA YASUO****(54) POLARIZATION PLATE AND LIQUID CRYSTAL DISPLAY DEVICE**

(57)Abstract:

PURPOSE: To obtain the polarization plate which is hardly changed in polarization performance with inclination and to obtain a wide visual field angle by using a sealing film having the double refractiveness of a specific phase difference.

CONSTITUTION: The sealing film 1 exhibiting 200 to 300nm double refractiveness of the phase difference is adhered to a polarizer 3. The phase advance axis of the sealing film 1 is disposed in parallel with the absorption axis of the polarizer 3. The phase difference is based on the product of the difference in the refractive index between the phase delay axis direction and phase advance axis direction of the sealing film 1 and the thickness of the sealing film 1. The sealing film 1 having the phase difference is obtd. as a double refractive film subjected to a uniaxial, biaxial or other axial stretch treatment. Namely, the phenomenon that the phase advance axis of even the sealing film 1 having the double refractiveness is changed by the angle of inclination is utilized and a combination that this change offsets the change in the transmission axis of the polarizer 3 is adopted to compensate the deviation in the transmission axis of the polarizer 3 by the angle of inclination.

**LEGAL STATUS**

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